

Name: _____

p1029: Box multiplication of linear binomials (v1)

Example

Use the box method to multiply $(6x + 3)$ and $(2x + 4)$.

*	$6x$	3	
$2x$	$12x^2$	$6x$	$12x^2 + 6x + 24x + 12$
4	$24x$	12	Combine like terms.
			$12x^2 + 30x + 12$

ANSWER: $12x^2 + 30x + 12$

Question 1

Use the box method to multiply $(2x + 5)$ and $(9x + 3)$.

*	$2x$	5	
$9x$			
3			

ANSWER:

Question 2

Use the box method to multiply $(-6x + 2)$ and $(8x + 9)$.

*	$-6x$	2
$8x$		
9		

ANSWER:

Question 3

Use the box method to multiply $(-2x + 5)$ and $(9x + 8)$.

*		

ANSWER:

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p1029: Box multiplication of linear binomials (v2)

Example

Use the box method to multiply $(6x + 3)$ and $(2x + 4)$.

*	$6x$	3	
$2x$	$12x^2$	$6x$	$12x^2 + 6x + 24x + 12$
4	$24x$	12	Combine like terms.
			$12x^2 + 30x + 12$

ANSWER: $12x^2 + 30x + 12$

Question 1

Use the box method to multiply $(6x + 8)$ and $(7x + 2)$.

*	$6x$	8
$7x$		
2		

ANSWER:

Question 2

Use the box method to multiply $(-6x + 2)$ and $(-5x - 9)$.

*	$-6x$	2
$-5x$		
-9		

ANSWER:

Question 3

Use the box method to multiply $(-4x - 7)$ and $(3x - 9)$.

*		

ANSWER:

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p1029: Box multiplication of linear binomials (v3)

Example

Use the box method to multiply $(6x + 3)$ and $(2x + 4)$.

*	$6x$	3	
$2x$	$12x^2$	$6x$	$12x^2 + 6x + 24x + 12$
4	$24x$	12	Combine like terms.
			$12x^2 + 30x + 12$

ANSWER: $12x^2 + 30x + 12$

Question 1

Use the box method to multiply $(6x + 3)$ and $(5x + 7)$.

*	$6x$	3
$5x$		
7		

ANSWER:

Question 2

Use the box method to multiply $(-3x + 4)$ and $(5x + 9)$.

*	$-3x$	4
$5x$		
9		

ANSWER:

Question 3

Use the box method to multiply $(9x - 6)$ and $(-3x + 8)$.

*		

ANSWER:

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p1029: Box multiplication of linear binomials (v4)

Example

Use the box method to multiply $(6x + 3)$ and $(2x + 4)$.

*	$6x$	3	
$2x$	$12x^2$	$6x$	$12x^2 + 6x + 24x + 12$
4	$24x$	12	Combine like terms.
			$12x^2 + 30x + 12$

ANSWER: $12x^2 + 30x + 12$

Question 1

Use the box method to multiply $(9x + 4)$ and $(8x + 7)$.

*	$9x$	4
$8x$		
7		

ANSWER:

Question 2

Use the box method to multiply $(8x - 5)$ and $(4x + 6)$.

*	$8x$	-5
$4x$		
6		

ANSWER:

Question 3

Use the box method to multiply $(7x - 9)$ and $(-3x - 2)$.

*		

ANSWER:

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p1029: Box multiplication of linear binomials (v5)

Example

Use the box method to multiply $(6x + 3)$ and $(2x + 4)$.

*	$6x$	3	
$2x$	$12x^2$	$6x$	$12x^2 + 6x + 24x + 12$
4	$24x$	12	Combine like terms.
			$12x^2 + 30x + 12$

ANSWER: $12x^2 + 30x + 12$

Question 1

Use the box method to multiply $(3x + 4)$ and $(2x + 8)$.

*	$3x$	4
$2x$		
8		

ANSWER:

Question 2

Use the box method to multiply $(-2x + 9)$ and $(6x - 4)$.

*	$-2x$	9
$6x$		
-4		

ANSWER:

Question 3

Use the box method to multiply $(6x - 5)$ and $(-3x + 9)$.

*		

ANSWER:

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p1029: Box multiplication of linear binomials (v6)

Example

Use the box method to multiply $(6x + 3)$ and $(2x + 4)$.

*	$6x$	3	
$2x$	$12x^2$	$6x$	$12x^2 + 6x + 24x + 12$
4	$24x$	12	Combine like terms.
			$12x^2 + 30x + 12$

ANSWER: $12x^2 + 30x + 12$

Question 1

Use the box method to multiply $(6x + 3)$ and $(9x + 5)$.

*	$6x$	3
$9x$		
5		

ANSWER:

Question 2

Use the box method to multiply $(4x - 9)$ and $(-6x + 2)$.

*	$4x$	-9
$-6x$		
2		

ANSWER:

Question 3

Use the box method to multiply $(8x + 3)$ and $(2x - 9)$.

*		

ANSWER:

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p1029: Box multiplication of linear binomials (v7)

Example

Use the box method to multiply $(6x + 3)$ and $(2x + 4)$.

*	$6x$	3	
$2x$	$12x^2$	$6x$	$12x^2 + 6x + 24x + 12$
4	$24x$	12	Combine like terms.
			$12x^2 + 30x + 12$

ANSWER: $12x^2 + 30x + 12$

Question 1

Use the box method to multiply $(3x + 4)$ and $(5x + 9)$.

*	$3x$	4	
$5x$			
9			

ANSWER:

Question 2

Use the box method to multiply $(8x + 3)$ and $(7x - 4)$.

*	8x	3
7x		
-4		

ANSWER:

Question 3

Use the box method to multiply $(-9x + 4)$ and $(3x + 5)$.

*		

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p1029: Box multiplication of linear binomials (v8)

Example

Use the box method to multiply $(6x + 3)$ and $(2x + 4)$.

*	$6x$	3	
$2x$	$12x^2$	$6x$	$12x^2 + 6x + 24x + 12$
4	$24x$	12	Combine like terms.
			$12x^2 + 30x + 12$

ANSWER: $12x^2 + 30x + 12$

Question 1

Use the box method to multiply $(9x + 5)$ and $(3x + 8)$.

*	$9x$	5
$3x$		
8		

ANSWER:

Question 2

Use the box method to multiply $(-8x + 3)$ and $(-7x - 2)$.

*	$-8x$	3
$-7x$		
-2		

ANSWER:

Question 3

Use the box method to multiply $(7x + 9)$ and $(5x - 4)$.

*		

ANSWER:

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p1029: Box multiplication of linear binomials (v9)

Example

Use the box method to multiply $(6x + 3)$ and $(2x + 4)$.

*	$6x$	3	
$2x$	$12x^2$	$6x$	$12x^2 + 6x + 24x + 12$
4	$24x$	12	Combine like terms.
			$12x^2 + 30x + 12$

ANSWER: $12x^2 + 30x + 12$

Question 1

Use the box method to multiply $(4x + 6)$ and $(7x + 9)$.

*	$4x$	6	
$7x$			
9			

ANSWER:

Question 2

Use the box method to multiply $(9x - 4)$ and $(8x + 5)$.

*	$9x$	-4
$8x$		
5		

ANSWER:

Question 3

Use the box method to multiply $(6x - 3)$ and $(9x + 8)$.

*		

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p1029: Box multiplication of linear binomials (v10)

Example

Use the box method to multiply $(6x + 3)$ and $(2x + 4)$.

*	$6x$	3	
$2x$	$12x^2$	$6x$	$12x^2 + 6x + 24x + 12$
4	$24x$	12	Combine like terms.
			$12x^2 + 30x + 12$

ANSWER: $12x^2 + 30x + 12$

Question 1

Use the box method to multiply $(4x + 2)$ and $(3x + 5)$.

*	$4x$	2	
$3x$			
5			

ANSWER:

Question 2

Use the box method to multiply $(-8x + 7)$ and $(4x + 3)$.

*	$-8x$	7
$4x$		
3		

ANSWER:

Question 3

Use the box method to multiply $(6x + 8)$ and $(-7x - 4)$.

*		

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p1029: Box multiplication of linear binomials (v11)

Example

Use the box method to multiply $(6x + 3)$ and $(2x + 4)$.

*	$6x$	3	
$2x$	$12x^2$	$6x$	$12x^2 + 6x + 24x + 12$
4	$24x$	12	Combine like terms.
			$12x^2 + 30x + 12$

ANSWER: $12x^2 + 30x + 12$

Question 1

Use the box method to multiply $(3x + 9)$ and $(2x + 7)$.

*	$3x$	9	
$2x$			
7			

ANSWER:

Question 2

Use the box method to multiply $(-6x + 5)$ and $(7x + 8)$.

*	$-6x$	5
$7x$		
8		

ANSWER:

Question 3

Use the box method to multiply $(-3x - 2)$ and $(7x + 4)$.

*		

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p1029: Box multiplication of linear binomials (v12)

Example

Use the box method to multiply $(6x + 3)$ and $(2x + 4)$.

*	$6x$	3	
$2x$	$12x^2$	$6x$	$12x^2 + 6x + 24x + 12$
4	$24x$	12	Combine like terms.
			$12x^2 + 30x + 12$

ANSWER: $12x^2 + 30x + 12$

Question 1

Use the box method to multiply $(3x + 9)$ and $(4x + 6)$.

*	$3x$	9
$4x$		
6		

ANSWER:

Question 2

Use the box method to multiply $(6x - 5)$ and $(3x - 4)$.

*	$6x$	-5
$3x$		
-4		

ANSWER:

Question 3

Use the box method to multiply $(-7x + 5)$ and $(-3x + 9)$.

*		

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p1029: Box multiplication of linear binomials (v13)

Example

Use the box method to multiply $(6x + 3)$ and $(2x + 4)$.

*	$6x$	3	
$2x$	$12x^2$	$6x$	$12x^2 + 6x + 24x + 12$
4	$24x$	12	Combine like terms.
			$12x^2 + 30x + 12$

ANSWER: $12x^2 + 30x + 12$

Question 1

Use the box method to multiply $(9x + 4)$ and $(6x + 3)$.

*	$9x$	4
$6x$		
3		

ANSWER:

Question 2

Use the box method to multiply $(6x - 7)$ and $(8x + 5)$.

*	$6x$	-7
$8x$		
5		

ANSWER:

Question 3

Use the box method to multiply $(4x - 2)$ and $(3x + 6)$.

*		

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p1029: Box multiplication of linear binomials (v14)

Example

Use the box method to multiply $(6x + 3)$ and $(2x + 4)$.

*	$6x$	3	
$2x$	$12x^2$	$6x$	$12x^2 + 6x + 24x + 12$
4	$24x$	12	Combine like terms.
			$12x^2 + 30x + 12$

ANSWER: $12x^2 + 30x + 12$

Question 1

Use the box method to multiply $(2x + 9)$ and $(4x + 5)$.

*	$2x$	9	
$4x$			
5			

ANSWER:

Question 2

Use the box method to multiply $(4x - 7)$ and $(-8x - 5)$.

*	$4x$	-7
$-8x$		
-5		

ANSWER:

Question 3

Use the box method to multiply $(-4x + 5)$ and $(-6x - 9)$.

*		

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p1029: Box multiplication of linear binomials (v15)

Example

Use the box method to multiply $(6x + 3)$ and $(2x + 4)$.

*	$6x$	3	
$2x$	$12x^2$	$6x$	$12x^2 + 6x + 24x + 12$
4	$24x$	12	Combine like terms.
			$12x^2 + 30x + 12$

ANSWER: $12x^2 + 30x + 12$

Question 1

Use the box method to multiply $(6x + 8)$ and $(3x + 7)$.

*	$6x$	8	
$3x$			
7			

ANSWER:

Question 2

Use the box method to multiply $(-2x - 7)$ and $(9x - 6)$.

*	$-2x$	-7
$9x$		
-6		

ANSWER:

Question 3

Use the box method to multiply $(-5x - 7)$ and $(-2x + 9)$.

*		

ANSWER:

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p1029: Box multiplication of linear binomials (v16)

Example

Use the box method to multiply $(6x + 3)$ and $(2x + 4)$.

*	$6x$	3	
$2x$	$12x^2$	$6x$	$12x^2 + 6x + 24x + 12$
4	$24x$	12	Combine like terms.
			$12x^2 + 30x + 12$

ANSWER: $12x^2 + 30x + 12$

Question 1

Use the box method to multiply $(2x + 8)$ and $(4x + 6)$.

*	$2x$	8	
$4x$			
6			

ANSWER:

Question 2

Use the box method to multiply $(8x + 4)$ and $(-5x - 9)$.

*	$8x$	4
$-5x$		
-9		

ANSWER:

Question 3

Use the box method to multiply $(-7x + 3)$ and $(4x - 5)$.

*		

ANSWER: